

SPRING-8/SACLA 利用研究成果集 最新号の発行

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利用推進部

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本成果集は、SPRING-8/SACLA で行われた利用研究課題の成果を公開するものであり、JASRI が査読を行った Refereed Journal で、各論文は以下のセクションに分類されています。

Vol.8 No.2 は、2020 年 8 月頃公開予定です。

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- セクション B：産業利用成果 ---- 14 論文
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A-1	Yasufumi Umena	Okayama University	2011A1286	BL38B1	Determination of the Mn Valence in Oxygen-Evolving Photosystem II
			2011B1311		
			2012A1791		
A-5	Naohisa Happo	Hiroshima City University	2011B1142	BL25SU	Atomic Arrangement Analysis of Ferromagnetic Semiconductor $\text{Ge}_{0.6}\text{Mn}_{0.4}\text{Te}$ by Photoelectron Holography
A-10	Shintaro Yasui	Tokyo Institute of Technology	2012A1064	BL13XU	Clarification of Field-induced Phase Transition in Ferroelectric-Antiferroelectric Morphotropic Phase Boundary
			2013A1529		
			2013B1452		
A-13	Hiroshi Arima	CROSS	2012A1132	BL04B2	Structural Analyses up to the Melting Point of ZrO_2 using High-Temperature X-ray Diffraction with Aerodynamic Levitation Furnaces
A-17	Hyunjeong Kim	AIST	2012A3615	BL14B1	Unusual Volume Reduction in $\text{CaLi}_{2-x}\text{Mg}_x$ by Hydrogen Uptake
A-21	Hiroshi Nishioka	University of Hyogo	2012B1457	BL01B1	XAFS Studies of Cesium Local Structure in a Novel Tobermorite-type Adsorbent
A-25	Tatsuo Gejo	University of Hyogo	2013B1196	BL27SU	The Measurement of XAFS of Amino Acid in Water Submicron Particles
A-29	Yuki Morono	JAMSTEC	2014A1363	BL43IR	Domain-level Single Cell Identification of Prokaryotic Cells by Micro-FTIR Spectroscopy – Application to Subseafloor Biosphere and Exploration of Life-specific Signal in Natural Sediment Samples
A-33	Chitoshi Kitamura	University of Shiga Prefecture	2014A1420	BL02B1	Single Crystal Analysis of Micro-Crystalline Lycopene by High-Energy X-ray
A-37	Haruo Sugi	Teikyo University	2014B1062	BL45XU	Studies on the Structure of Linkages between Myosin Head and Actin Filament during Contraction in Skeletal Muscle
A-41	Takao Miyajima	Meijo University	2014B1184	BL01B1	Analysis on Local Structure around Sb Atoms in MOCVD-grown Sb-doped GaN by using X-ray Absorption Fine-Structure Measurements
A-45	Atsushi Funatsuki	Mie Prefectural Police H. Q.	2015A1206	BL27SU	Estimation for Running Distance of Tire Rubber Left in a Traffic Accident Site Based on the Sulfur Species
A-49	Hidekazu Takano	Tohoku University	2015B1108	BL20XU	Image Characterization of X-Ray Microscope Using Phase Modulator for the Microscope Objective
A-53	Takeshi Yajima	The University of Tokyo	2016A1068	BL02B2	Structural Analysis of Novel Layered Oxychalcogenides
A-58	Koshiro Toriumi	University of Hyogo	2016A1270	BL40XU	X-ray Micro-Beam Crystal Structure Analyses of the Epitaxial Growth Single Crystals from Solutions

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A-62	Dirk Müter	University of Copenhagen	2016A1398	BL47XU	X-ray Tomography of Echinoid Functional Biomineralized Materials
A-66	Ryota Hashiguchi	Kyoto University	2016A1667	BL10XU	Investigation of Crystal Structure and Charge Ordering of Ghost-leg like 2D Nickel Nanosheet under High Pressure and High Temperature Conditions
A-71	Tomohiko Sasaki	Kyoto University	2016A1692	BL20B2	Non-destructive Visualization of Microstructures in Primate Teeth
A-75	Koji Nishikawa	University of Hyogo	2016A2752	BL26B1	Elucidation of Catalytic Mechanism in the [NiFe] Hydrogenase
A-79	Toshihide Okajima	Osaka University	2016A6608	BL44XU	Exploring the Binding Site for Angucycline Antibiotics on Histidine Kinases
A-84	Saori Ikebuchi	Osaka University	2016A6633	BL44XU	Preliminary X-ray Diffraction Studies for the Mutants and Functional Insights for the N-terminal Cupredoxin Domain of Hexameric Copper Nitrite Reductase
A-88	Satoshi Iguchi	Tohoku University	2018A0073	BL43IR	Improvement of Magneto Optical Station in BL43IR
B-93	Shin Imada	Ritsumeikan University	2011B1751	BL25SU	Effect of Mo Cap Layer on Element Specific Hysteresis Measurement by Soft X-Ray Magnetic Circular Dichroism
B-97	Yoshihisa Harada	The University of Tokyo	2011B3576	BL11XU	Relationship between the Electron Density of States of Platinum Valence Band and the Catalytic Activity of Pt based Cathode Catalyst in Polymer Electrolyte Fuel Cells
			2012B3215		
B-101	Katsuyuki Morii	Nippon Shokubai Co., Ltd.	2012A1758	BL46XU	Degradation Analysis on Hybrid Organic-Inorganic LED by HAXPES (II)
B-104	Yoshihisa Harada	The University of Tokyo	2013A3514	BL11XU	Study on the Oxygen Binding Energy by the Observation of the Valence Electronic Structure of the Surface of Pt Nano Particle Catalysts with Different Diameters Applied for Polymer Electrolyte Fuel Cells
			2014A3512		
B-108	Tomohiro Ikeda	Honda R&D Co., Ltd.	2014A1566	BL14B2	Analysis of Automotive Catalyst Pd/αAl ₂ O ₃ for XAFS
B-111	Soichiro Okubo	Sumitomo Electric Industries, Ltd.	2015A1726	BL27SU	XAFS Analysis of Fe and C Atoms Property at Carburizing from Oxidized High Purity Fe Foil in High Temperature Hydrocarbon Gas
B-115	Hiroyuki Imura	Mitsubishi Chemical Corporation	2015A3386	BL08B2	Studies of Memory Effects at the Temperature Much Higher than Melting Point and Melt Structures in Isotactic Polypropylene (II)
B-121	Satoshi Morooka	Tokyo Metropolitan University (present affiliation: JAEA)	2015B1268	BL19B2	Microstructural Analysis of Weld Heat Affected Zone in Steels by Small-angle X-ray Scattering Method
B-126	Ryo Abe	NAIST	2015B1778	BL19B2	Analysis of Crystal Structure with Temperature Modulation for Organic Thin Films Exhibiting the Giant Seebeck Effect
B-131	Ayumi Murakami	Noritake Co., Ltd.	2017A1567	BL14B2	<i>In-situ</i> XAFS Analysis of Low Temperature Active Ceria-Zirconia
B-136	Noriyuki Fukuzumi	Daicel Corporation	2017B1809	BL14B2	Analysis of Local Structure of Catalysts for Selective Hydrogenation of Carboxylic Acid by XAFS
B-139	Tomoyoshi Yamashita	Mitsubishi Chemical Corporation	2017B7268	BL03XU	Studies of Memory Effects at the Temperature Much Higher than Melting Point and Melt Structures in Isotactic Polypropylene (I)
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B-149	Keiko Fujii	Toshiba Corporation	2018B5060	BL16XU	Electric Potential Analysis for Next-generation Memory by Bias Applied Hard X-ray Photoelectron Spectroscopy
C-154	Motohiro Suzuki	JASRI	2014A1889	BL39XU	Development of a Tandem Nano-Focusing Optics with X-ray Refractive Lens and Kirkpatrick-Baez Mirror
C-159	Naruki Tsuji	JASRI	2014A1890	BL02B2	Development of High Temperature Powder X-ray diffraction by Graphite Heater
			2015B2000		
C-163	Hiroyuki Iwamoto	JASRI	2015B2008	BL40XU	New Types of X-ray Optics Made of Low Melting-Temperature Alloy
C-167	Hirokatsu Yumoto	JASRI	2016A1839	BL39XU	Evaluation of Stabilized Si Double-crystal Monochromator with Liquid-nitrogen Cooling System and High Flux KB Focusing Mirror Optics
C-172	Takashi Hashimoto	JASRI	2016A1851	BL20B2	Discrimination of Soil by the Classification of the Primary Mineral Particles using X-ray CT